

Starting to Teach with Netbooks in the classroom



Get ready: they're coming

- Term 2: 50 new Wireless access points across campus and an upgraded internet connection
- Term 3: Parents and students will attend meetings to be presented with their responsibilities, agreement forms and netbook computers.



Dell's Latitude 2100



- All year 9 and 10 students will carry a netbook
- They are to remain in their cases outside classes
- Students take them home to recharge and backup data.

Preloaded software (by the Wagga CSO)

(Other than what we load on at XHS such as MS Office, Student response network client, etc...)

- [Openoffice](#) - A multiplatform and multilingual office suite and an open-source project
- [Audacity](#) - Audio editor for recording, slicing, and mixing audio
- [The Gimp](#) - *GIMP* (the GNU Image Manipulation Program) is a free software raster graphics editor

Preloaded software (contd)

- [Freemind](#) - free mind mapping software
- [Google sketchup](#) - A 3D software tool that combines a tool-set with an intelligent drawing system
- [Google earth](#) - Offers maps and satellite images for complex or pinpointed regional searches

Preloaded software (contd 2)

- [IrfanView](#) - Image viewer for Microsoft Windows that can view, edit, and convert image files and play video/audio formats
- [Sam animation](#) - Software designed to give students the power of making stop-action movies to share their ideas and understanding
- [Pivot stickfigure](#) - Create stick figure animations.

Preloaded software (contd 3)

- [Scratch](#) - Create interactive stories, games, music and art
- [Graph](#) - Draws graphs of mathematical functions in a coordinate system. Graphs may be plotted with different color and line styles. Both standard functions, parameter functions and polar functions are supported
- [Celestia](#) - Real-time space simulation that lets you experience our universe in three dimensions. Navigate through space and visit Saturn, Mars and the Sun

Preloaded software (contd 4)

- [Paint DotNet](#): Photoshop Clone - Edit and manipulate photos, or create digital art. It supports layers, unlimited undo, special effects, and a wide variety of useful and powerful tools
- [GeoGebra](#): Geometry, Algebra and Calculus - Dynamic mathematics software for schools that joins geometry, algebra and calculus. GeoGebra is written in Java

Preloaded software (contd 5)

- [Solve Elec](#): - Electrical circuits Analysis and Resolution - draw and analyze electrical circuits functioning in direct current, get literal formulas and values for current intensities and voltages defined in the circuit and verify circuit related equations
- [Phun](#): 2D Physics Simulations Sandbox - Create objects of different shapes and density, connect them with chain or springs, fixate them and then press the "play"-button and watch them interact

What to expect in class:

- Aim to use netbooks for only half the lesson
- Focus on enhancing /enriching learning by adding more 'visual' elements to topics.
- Textbooks to be in PDF format on the 'image' for each year level (subject coordinators to organise)
- Batteries should last the day because students will only use netbooks for about half the time in 3 to 4 periods a day. (chargers are to be left at home)
- Students will quickly learn the severe consequences of arriving to class without their netbook in working order, and respond well.



What to expect in support:

- Approximately 10 students per day will need to see the technicians at lunchtime to have hardware or software problems repaired.
- The technicians will need 20 machines for hot swapping with students while their own machines are being repaired or replaced.
- Each term will have a no-netbook day for each year level when the technicians take over 2 labs and reimage every netbook (OS and application drive C only)
- Students will have a hard drive partition for their own documents that will not be reimaged. Students will also have an external hard drive at home for regular automated backup (their responsibility)



Ideas for use: (sharing information)

- Students get lesson tasks off 'My Classes', '[Moodle](#)', a class '[blog](#)' or '[Wiki](#)'
- Use '[Google](#) documents', class blogs or wikis for collaborative 'group work' tasks
- Use [Microsoft OneNote](#) (MS Office application) to create collaborative summary notes on a shared OneNote document on the network



Basic Ideas for use: (personal work)

- Research a topic using '<http://scholar.google.com.au/>'
- Use [Microsoft OneNote](#) (MS Office application) to create organised summary notes on the topic of the day
- Record, process and chart survey, field study or experiment results using [MS Excel](#)
- Create a personal database of key terms and definitions using [MS Access](#)
- Write up a report/ essay using Word, incorporating [multimedia](#) files as illustration



misuse: (personal work)

- Spend 3 lessons making a glitzy Powerpoint using clipart with no original content creation.
- Spend consecutive lessons making a poorly planned video or podcast on a topic.
- Create an animation* on a topic that involves 90% of the time doing the art work and 10% of the time developing the information content (*unless it is an art class)
- Allowing students to spend more than the last 5 minutes of class time playing 'educational' games. (note $5 \times 4 = 20$ mins a day)



links

- http://docs.moodle.org/en/Main_Page
- [Nicholas Negroponte:
http://www.youtube.com/watch?v=y_TKjfgjiQs](http://www.youtube.com/watch?v=y_TKjfgjiQs)
- <Http://www.google.com/google-d-s/college/>
- <http://www.wikispaces.com/site/for/teachers>
- <http://studentresponsenetwork.com/>
- <http://office.microsoft.com/en-us/onenote/default.aspx>
- <http://office.microsoft.com/en-us/word/HP051901771033.aspx>



Staff survey responses

interest in ICT PD Topics

moodle





Moodle is a Course Management System (CMS), also known as a Learning Management System (LMS) or a Virtual Learning Environment (VLE).

- Whole school approach
- Effectively Replaces 'my classes' and 'drive P:'
- Provides Wiki, Blog and message board facilities along with file distribution and course management.

To log onto our Moodle server type 'xhs-moodle' into the address box of your browser

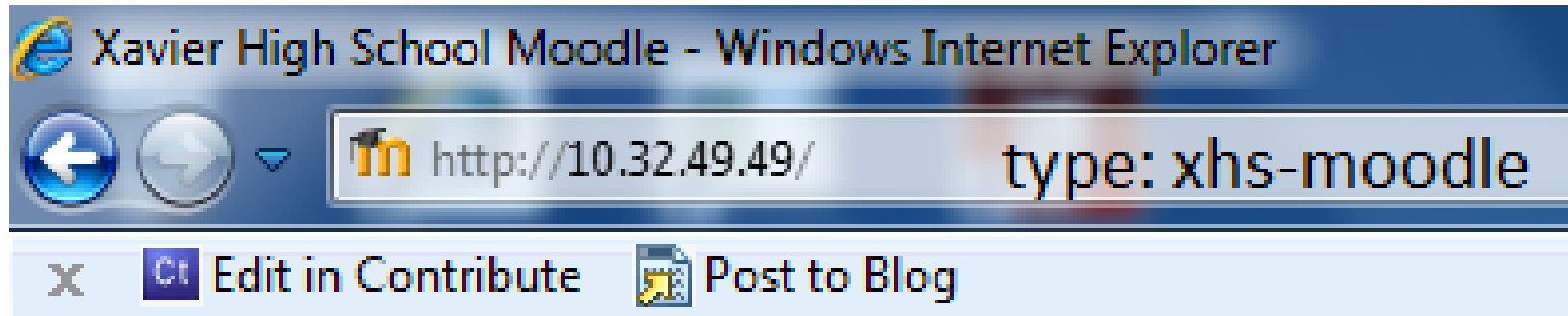


- Whole school approach
- Effectively Replaces 'my classes' and 'drive P:'
- Provides Wiki, Blog and message board facilities along with file distribution and course management.

The plan:

- **Teacher use only for all of term 2**
- **Student access (yr 9 and 10 only) in terms 3 and 4**
- **Full school implementation in 2011**

Moodle: getting started



To log onto our Moodle server type 'xhs-moodle' into the address box of your browser

Bookmark it (add it to the 'favourites toolbar')

http://10.32.49.49/

Moodle: getting started (2)

Xavier High School Moodle

[XHSMoodle](#) ► Login to the site



Returning to this web site?

Login here using your username and password
(Cookies must be enabled in your browser) ?

Username

Password

Login

Some courses may allow guest access

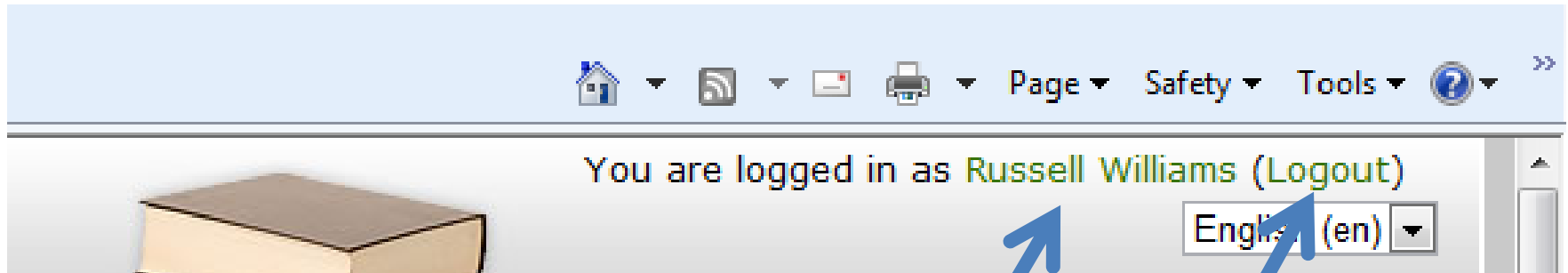
Login as a guest

Forgotten your username or password?

Yes, help me log in

Use your school login
and **current** password

Moodle: getting started (3)




Please first update your profile:


- *click on the hyperlink of your name (top right)
- * Add your photo


To logout click the (Logout) hyperlink

Getting orientated

Xavier High School Moodle



Site Administration 

-  **Courses**
 - Add/edit courses**


My courses

Yr 9 and 10 IST
Teacher: Russell Williams

Yr 11 Standard English
Teacher: Dale Francis Gleeson

Joseph
Teacher: Russell Williams

This is the front page of our moodle site.

Calendar 

◀ April 2010 ▶

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Welcome to Joseph House

Getting orientated: course screen

The screenshot shows the Moodle course interface for 's5_ISTa'. The top navigation bar includes 'XHSMoodle', the course name 's5_ISTa', a 'Switch role to...' dropdown, and a 'Turn editing on' button which is circled in red. The main content area is divided into three columns. The left column contains tool blocks: 'People' (with a 'Participants' link), 'Activities' (with 'Forums' and 'Resources' links), 'Search Forums' (with a search box and 'Go' button), and 'Administration' (with links for 'Turn editing on', 'Settings', 'Assign roles', 'Grades', 'Groups', and 'Backup'). The center column, titled 'Topic outline', shows a 'News forum' and a 'Welcome to yr 9 and 10 IST' section with a 'Hardware Task description' link. A vertical list of numbers 1 through 4 is on the left of this column. The right column contains 'Latest News' (with a link to 'Add a new topic...'), 'Upcoming Events' (with a link to 'Go to calendar...'), and 'Recent Activity' (showing activity since Friday, 16 April 2010). A text box is overlaid on the center column.

3 columns:

- Left and right:- tool blocks
- Centre:- current topic or weekly outline (depending on the course structure)

Course screen with editing on:

The screenshot shows a Moodle course interface with editing enabled. The top navigation bar is green and contains the text "XHSMoodle" and "s5_ISTa". On the right of the bar, there is a "Switch role to..." dropdown menu and a "Turn editing off" button. The left sidebar contains several sections: "People" with a "Participants" link, "Activities" with "Forums" and "Resources" links, "Search Forums" with a search box and "Go" button, and "Administration" with "Turn editing off" and "Settings" links. The main content area is titled "Topic outline" and shows a list of topics: "News forum" and "Hardware Task description". Below "Hardware Task description", there are two identical sets of dropdown menus for "Add a resource..." and "Add an activity...". The right sidebar contains three sections: "Latest News" with a message "Add a new topic... (No news has been posted yet)", "Upcoming Events" with a message "There are no upcoming events", and "Recent Activity" with a message "Activity since Friday, 16 April 2010, 04:23 PM" and a link to "Full report of recent activity".

XHSMoodle ► s5_ISTa

Switch role to... Turn editing off

People ↑

Participants

Activities ↑

Forums Resources

Search Forums ↑

Go

Advanced search ?

Administration ↑

Turn editing off Settings

Topic outline

News forum →

Welcome to yr 9 and 10 IST

Hardware Task description →

Add a resource... Add an activity...

Latest News ↑

Add a new topic...
(No news has been posted yet)

Upcoming Events ↑

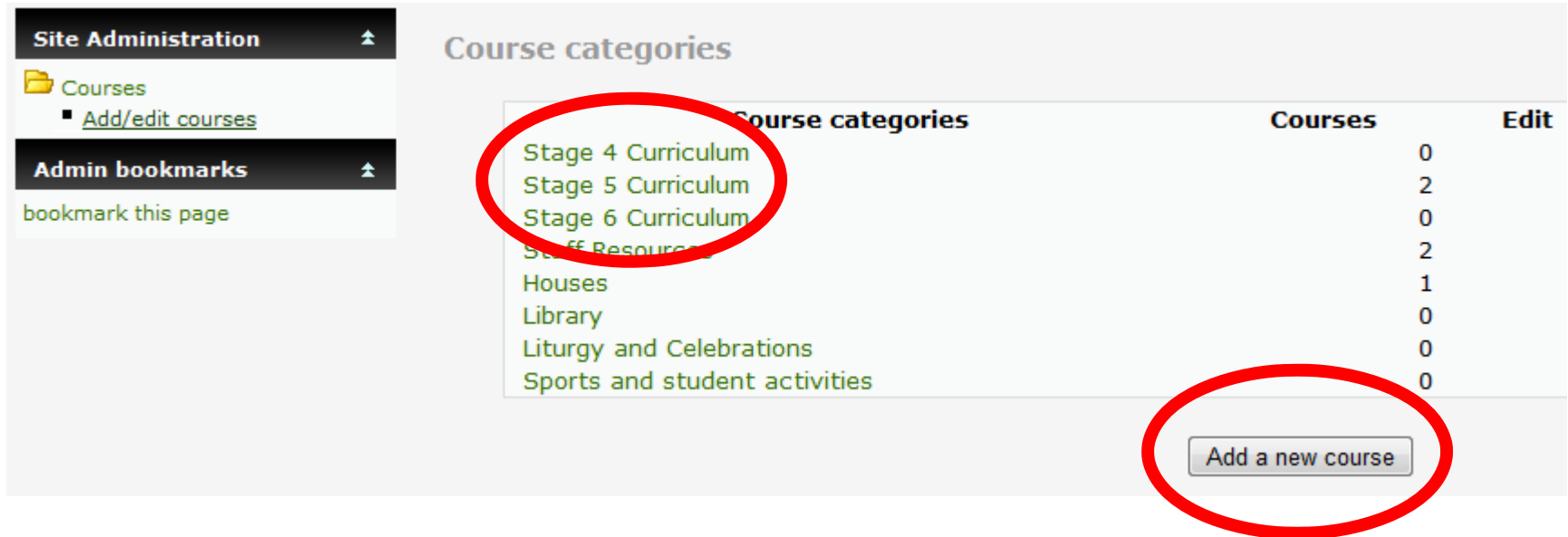
There are no upcoming events

Go to calendar...
New Event...

Recent Activity ↑

Activity since Friday, 16 April 2010, 04:23 PM
Full report of recent activity

Create a new course (1):



The screenshot shows the 'Course categories' page. On the left is a sidebar with 'Site Administration' and 'Courses' (containing 'Add/edit courses'). The main area is titled 'Course categories' and contains a table with the following data:

Course categories	Courses	Edit
Stage 4 Curriculum	0	
Stage 5 Curriculum	2	
Stage 6 Curriculum	0	
Staff Resources	2	
Houses	1	
Library	0	
Liturgy and Celebrations	0	
Sports and student activities	0	

At the bottom right, there is a button labeled 'Add a new course'.

Select a category and click the [Add a new course] button

Create a new course (2):

General	
Category ?	Stage 5 Curriculum ▼
Full name* ?	Yr 9 and 10 IST
Short name* ?	s5_ISTa
Course ID number ?	
Summary ?	

Type a full name and a short name (for hyperlinks)

Create a new course (3):

Format ?	Topics format
Number of weeks/topics	10
Course start date ?	17 April 2010
Hidden sections ?	Hidden sections are shown in collapsed form
News items to show ?	5
Show gradebook to students ?	Yes
Show activity reports ?	No
Maximum upload size ?	16MB
Is this a meta course? ?	No

Enrolments

Enrolment Plugins ?	Site Default (Internal Enrolment)
Default role	Site Default (Student)
Course enrollable ?	<input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> Date range

Click on the ? Marks for help on a field

Happy Moodling...

[http://docs.moodle.org/en/Getting started for teachers](http://docs.moodle.org/en/Getting_started_for_teachers)



The screenshot shows the Moodle documentation interface. At the top is the Moodle logo and a navigation bar with links: About, News, Support, Community, Development, Downloads, and My courses. Below this is a breadcrumb trail: Home > Moodle Docs > English > Getting started for teachers. The main content area has tabs for article, page comments, edit, view source, and history. The article title is "Getting started for teachers". The content begins with a "Greetings!" icon and text explaining the page's purpose: to give an overview of Moodle to a new user. It mentions that many links are provided for technical details and "how to" ideas. It also points out the Documentation box on the left side of every page, which contains links for About Moodle, Teacher, Administrator, and Developer. A search box is located at the bottom left of the page.

[http://docs.moodle.org/en/Teacher documentation](http://docs.moodle.org/en/Teacher_documentation)



<http://online-edu.cc.muroran-it.ac.jp/>